

=> s poloxamer 188/cn  
L15 1 POLOXAMER 188/CN

=> d 115

L15 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 106392-12-5 REGISTRY  
CN Oxirane, methyl-, polymer with oxirane, block (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Adeka 25R1  
CN Adeka 25R2  
CN Adeka L 61  
CN Adeka Pluronic F 108  
CN Antarox 17R2  
CN Antarox 17R4  
CN Antarox 25R2  
CN Antarox B 25  
CN Antarox F 108  
CN Antarox F 68  
CN Antarox F 88  
CN Antarox F 88FL  
CN Antarox L 61  
CN Antarox L 64  
CN Antarox L 72  
CN Antarox P 104  
CN Antarox P 84  
CN Antarox SC 138  
CN Arco Polyol R 2633  
CN Arcol E 351  
CN B 053  
CN BASF-L 101  
CN Block polyethylene-polypropylene glycol  
CN Block polyoxyethylene-polyoxypropylene  
CN Breox BL 19-10  
CN Cirrasol ALN-WS  
CN Conion AEP 1220  
CN Crisvon Assistor SD 14  
CN CRL 1005  
CN CRL 1029  
CN CRL 1190  
CN CRL 1605  
CN CRL 8131  
CN CRL 8142  
CN D 500  
CN D 500 (polyglycol)  
CN Daltocel F 460  
CN DC 100  
CN Dehypon KE 3557  
CN Detalan  
CN DO 97  
CN Dowfax 30C05  
CN ED 56  
CN Empilan P 7068  
CN Emulgen PP 230  
CN EP 3028  
CN Epan 450  
CN Epan 485  
CN Epan 680  
CN Epan 710  
CN Poloxamer 188

L16

1 METHYLCELLULOSE/CN

=> d 116

L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 9004-67-5 REGISTRY  
CN Cellulose, methyl ether (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Adulsin  
CN Avicel SG  
CN Bagolax  
CN Benecel M 0  
CN Benecel M 02  
CN Benecel M 043  
CN Benecel MC 4000PS  
CN Benecel MO 42  
CN Bufapto Methalose  
CN Bulkaloid  
CN Celacol M  
CN Celacol M 20  
CN Celacol M 20P  
CN Celacol M 2500  
CN Celacol M 450  
CN Celacol MM  
CN Celacol MM 10P  
CN Celacol MMPR  
CN Celacol WA  
CN Cellapret  
CN Cellogran  
CN Cellothyl  
CN Cellulose methylate  
CN Cellumeth  
CN Cesca C 8556  
CN Cesca MC 25S  
CN Cesca MC 400  
CN Cethylose  
CN Cethytin  
CN Citrucel  
CN Culminal K 42  
CN Culminal MC  
CN Culminal MC 2000  
CN Culminal MC 25S  
CN Culminal MC 3000P  
CN Culminal MC 3000PR  
CN Culminal MC 40  
CN Culminal MC 60S  
CN Daicel 170  
CN Edisol M  
CN EMP-H  
CN Hi-SM 4000  
CN Hydrolose  
CN M 043  
CN M 100  
CN M 100 (cellulose derivative)  
CN M 15  
CN M 15 (cellulose derivative)  
CN Marpolose 60SH50  
CN Marpolose 90MP10000  
CN **Methylcellulose**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 53568-34-6, 71812-19-6, 88402-84-0, 39384-65-1, 99638-59-2  
MF C H4 O . x Unspecified

> s carboxymethyl cellulose/cn  
L17 2 CARBOXYMETHYL CELLULOSE/CN

=> d 117 1-2:

L17 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 9004-32-4 REGISTRY  
CN Cellulose, carboxymethyl ether, sodium salt (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 12M31XP  
CN 1400LC  
CN 2000MH  
CN 7H3SF  
CN 7H3SX  
CN 7H4XF  
CN 7L2C  
CN 9H4XF  
CN A 0111  
CN A 01H  
CN A 01L  
CN A 01M  
CN A 02SH  
CN A 10M  
CN A 50M  
CN Ac-Of-Sol  
CN Admiral 3541  
CN AG  
CN AG Gum  
CN AG Gum HG  
CN AG Gum LV 1  
CN AG Gum LV 2  
CN AKU-W 515  
CN Akucell 07071  
CN Akucell AF 0305  
CN Akucell AF 2205  
CN Akucell AF 2805  
CN Akucell AF 2881  
CN Ambergum 1221  
CN Ambergum 1521  
CN Ambergum 1570  
CN Ambergum 3021  
CN Ambergum 99-3021  
CN AOIH  
CN Aquacel  
CN Aquacel Hydrofiber  
CN Aquacide I  
CN Aquacide II  
CN Aqualon 12M31  
CN Aqualon 7H  
CN Aqualon 7HF  
CN Aqualon 7LF-PH  
CN Aqualon 7M2  
CN Aqualon 7MF  
CN Aqualon CMC 12M8  
CN Aqualon CMC 7H  
CN Aqualon CMC 7H4F  
CN Aqualon CMC 7H4XF  
CN Aqualon CMC 7HCF  
CN Aqualon CMC 7HX  
CN Carboxymethyl cellulose

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 654655-39-7, 12624-09-8, 9045-95-8, 9085-26-1, 54018-17-6, 55607-96-0,  
64103-90-8, 50642-44-9, 37231-14-4, 37231-15-5, 73699-63-5, 80296-93-1,

82197-79-3, 81209-86-1, 117385-93-0, 198084-97-8, 247080-55-3  
MF C2 H4 O3 . x Na . x Unspecified  
CI COM  
PCT Manual registration, Polyester, Polyester formed  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,  
CHEMLIST, CIN, CSCHEM, CSNB, DETHERM\*, DIOGENES, EMBASE, IFICDB, IFIPAT,  
IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PDLCOM\*, PIRA, PROMT,  
RTECS\*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

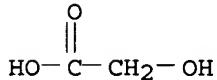
CM 1

CRN 9004-34-6  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 79-14-1  
CMF C2 H4 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

20928 REFERENCES IN FILE CA (1907 TO DATE)  
689 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
20944 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 9000-11-7 REGISTRY  
CN Cellulose, carboxymethyl ether (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 7H  
CN 7H (carbohydrate)  
CN Acetic acid, hydroxy-, cellulose ether  
CN Almelose  
CN Apergel  
CN Apeyel  
CN Carbose  
CN Carboxymethyl cellulose  
CN Carboxymethyl cellulose  
CN Carboxymethyl cellulose ether  
CN Carboxymethylated cellulose pulp  
CN Carmellose  
CN Cellogen BSH 10  
CN Cellulose carboxymethylate  
CN Cellulose Gum 7H  
CN Cellulose, (carboxymethyl)-  
CN Cellulose, ether with glycolic acid  
CN Celluloseglycolic acid  
CN CM-Cellulose  
CN CMC  
CN CMC 4LF

CN Colloresine  
CN Duodcel  
CN Glycocel TA  
CN Glycolic acid cellulose ether  
CN KMTs  
CN Thylose  
DR 177317-30-5, 191616-54-3, 196886-89-2, 204336-41-4  
MF C2 H4 O3 . x Unspecified  
CI COM  
PCT Manual registration, Polyether, Polyether only  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,  
CA, CABA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM,  
DDFU, DETHERM\*, DIOGENES, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,  
ENCOMPPAT, ENCOMPPAT2, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, NIOSHTIC,  
PDLCOM\*, PIRA, PROMT, RTECS\*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL,  
VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, TSCA\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

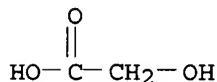
CM 1

CRN 9004-34-6  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 79-14-1  
CMF C2 H4 O3



2471 REFERENCES IN FILE CA (1907 TO DATE)  
243 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2477 REFERENCES IN FILE CA

L18 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 9003-97-8 REGISTRY  
CN Polycarbophil (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Carbofil  
CN Carbopol 976  
CN Carbopol EX 55  
CN Mitrolan  
CN Noveon AA 1  
CN Noveon CA 2  
CN Polycarbophil 976  
CN WL 140  
DR 146239-85-2

=> s bisacodyl/cn  
L19 1 BISACODYL/CN

=> d 119

L19 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 603-50-9 REGISTRY  
CN Phenol, 4,4'-(2-pyridinylmethylene)bis-, diacetate (ester) (9CI) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Phenol, 4,4'-(2-pyridinylmethylene)di-, diacetate (6CI, 7CI)  
CN Phenol, 4,4'-(2-pyridinylmethylene)di-, diacetate (ester) (8CI)  
OTHER NAMES:  
CN 4,4'-(2-Pyridinylmethylene)diphenol diacetate  
CN Bicol  
CN Bis(p-acetoxyphenyl)-2-pyridinylmethane  
CN Bisacodyl  
CN Brocalax  
CN Broxalax  
CN Contralax  
CN Correctol Caplets  
CN Correctol Tablets  
CN DAMP  
CN Dulcolan  
CN Dulcolax  
CN Durolax  
CN Endokolat  
CN Eulaxan  
CN Feen-a-Mint Tablets  
CN Fenilaxan  
CN Godalax  
CN Hillcolax  
CN Ivilax  
CN LA96a  
CN Laco  
CN Laxadin  
CN Laxanin N  
CN Laxans  
CN Laxine  
CN Laxorex  
CN Neolax  
CN Nigalax  
CN NSC 614826  
CN Perilax  
CN Pyrilax  
CN Sanvacual  
CN SK-Bisacodyl  
CN Stadalax  
CN Telemin  
CN Theralax  
CN Ulcol  
CN Videx  
CN ZetraX  
MF C22 H19 N O4

=> s castor oil/cn  
L20 1 CASTOR OIL/CN

=> d 120

L20 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 8001-79-4 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).

CN Castor oil (CA INDEX NAME)

OTHER NAMES:

CN 3 Castor Oil

CN Aromatic castor oil

CN Castor oil 3

CN Crystal O

CN DB Oil

CN ELA-DR

CN Fats and Glyceridic oils, castor

CN Fats and Glyceridic oils, ricin

CN LAVCO

CN Neoloid

CN No. 3 Castor oil

CN Oil of Palma Christi

CN Oils, glyceridic, ricin

CN Phorbyol

CN Ricinol

CN Ricinus communis oil

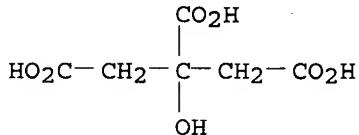
CN Tangantangan oil

CN Viscotrol C

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=> s magnesium citrate/cn
L21           3 MAGNESIUM CITRATE/CN

=> d 121 1-3

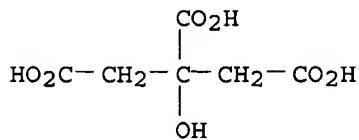
L21  ANSWER 1 OF 3  REGISTRY  COPYRIGHT 2004 ACS on STN
RN  7779-25-1  REGISTRY
CN  1,2,3-Propanetricarboxylic acid, 2-hydroxy-, magnesium salt (9CI)  (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN  Citric acid, magnesium salt (8CI)
OTHER NAMES:
CN  Magnesium citrate
MF  C6 H8 O7 . x Mg
CI  COM
LC  STN Files:  ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
      CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, DIOGENES, EMBASE, GMELIN*,,
      IFICDB, IFIPAT, IFIUDB, PDLCOM*, PIRA, PROMT, TOXCENTER, USPAT2,
      USPATFULL
      (*File contains numerically searchable property data)
      Other Sources:  EINECS**, NDSL**, TSCA**
      (**Enter CHEMLIST File for up-to-date regulatory information)
CRN  (77-92-9)
```



●x Mg

393 REFERENCES IN FILE CA (1907 TO DATE)  
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 394 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L21  ANSWER 2 OF 3  REGISTRY  COPYRIGHT 2004 ACS on STN
RN  3344-18-1  REGISTRY
CN  1,2,3-Propanetricarboxylic acid, 2-hydroxy-, magnesium salt (2:3) (9CI)
      (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN  Citric acid, magnesium salt (2:3) (8CI)
CN  Hexaaquomagnesium bis[(citrato) aquomagnesate] (7CI)
CN  Magnesium citrate (6CI)
OTHER NAMES:
CN  Citramag
CN  Trimagnesium dicitrate
DR  12405-09-3
MF  C6 H8 O7 . 3/2 Mg
CI  COM
LC  STN Files:  ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
      CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU,
      EMBASE, GMELIN*, IFICDB, IFIUDB, IPA, MRCK*, PDLCOM*, PIRA, PROMT,
      RTECS*, TOXCENTER, USAN, USPATFULL, VETU
      (*File contains numerically searchable property data)
      Other Sources:  EINECS**
      (**Enter CHEMLIST File for up-to-date regulatory information)
CRN  (77-92-9)
```



● 3/2 Mg

61 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 61 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L21 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 144-23-0 REGISTRY  
 CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, magnesium salt (1:1) (9CI)  
 (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Citric acid, magnesium salt (1:1) (8CI)  
 CN Magnesium citrate (7CI)  
 OTHER NAMES:  
 CN Acid magnesium citrate  
 CN Citresia  
 CN Citronema  
 CN Magnesium citrate soluble  
 CN Magnesium citrate, dibasic  
 CN Magnesium hydrogen citrate  
 MF C6 H8 O7 . Mg

=> s magnesium hydroxide/cn  
L22 1 MAGNESIUM HYDROXIDE/CN

=> d 122

L22 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STM  
RN 1309-42-8 REGISTRY  
CN Magnesium hydroxide (Mg(OH)2) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN **Magnesium hydroxide (8CI)**  
OTHER NAMES:  
CN 10A  
CN 10A (hydroxide)  
CN 200-06H  
CN Alcanex NHC 25  
CN Apymag AOH 820  
CN Asahi Glass 200-06  
CN Burusaito  
CN Combustrol 500  
CN Daimushew 6000  
CN DP 393  
CN DSB 100  
CN Duhor  
CN Duhor N  
CN Ebson RF  
CN Echomag ZL  
CN Finemag MO-T  
CN Finemag SN-L  
CN FloMag H  
CN FloMag HUS  
CN FR 20  
CN FR 20-310  
CN Hydrofy G 1.5  
CN Hydrofy G 2.5  
CN Hydrofy N  
CN Ki 22-5B  
CN Kisma KX 4SU  
CN Kisuma  
CN Kisuma 120  
CN Kisuma 2  
CN Kisuma 3A  
CN Kisuma 4AF  
CN Kisuma 5  
CN Kisuma 54A  
CN Kisuma 5A  
CN Kisuma 5A-N  
CN Kisuma 5AU  
CN Kisuma 5B  
CN Kisuma 5B-N  
CN Kisuma 5BG  
CN Kisuma 5E  
CN Kisuma 5EU  
CN Kisuma 5J  
CN Kisuma 5L  
CN Kisuma 5P  
CN Kisuma 6E  
CN Kisuma 7B  
CN Kisuma 8N  
CN Kisuma KX 4SU  
CN Kisuma S 4  
CN KX 4S

=> s magnesium sulfate/cn  
L23 1 MAGNESIUM SULFATE/CN

=> d 123

L23 ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2004 ACS on STN  
RN 7487-88-9  REGISTRY  
CN Sulfuric acid magnesium salt (1:1) (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Epsom salt  
CN Epsom salts  
CN **Magnesium sulfate**  
CN Magnesium sulfate (1:1)  
CN Magnesium sulphate  
CN OT-S  
CN OT-S (drying agent)  
CN Sulfuric acid magnesium salt  
CN Sulfuric acid, magnesium salt (1:1)  
CN Tomix OT  
AR 18939-43-0  
DR 139939-75-6  
MF H<sub>2</sub> O<sub>4</sub> S . Mg

s dibasic sodium phosphate/cn  
L24 1 DIBASIC SODIUM PHOSPHATE/CN

=> d 124

L24 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 7558-79-4 REGISTRY  
CN Phosphoric acid, disodium salt (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Acetest  
CN Anhydrous sodium acid phosphate  
CN **Dibasic sodium phosphate**  
CN Disodium acid orthophosphate  
CN Disodium acid phosphate  
CN Disodium hydrogen orthophosphate (Na<sub>2</sub>HPO<sub>4</sub>)  
CN Disodium hydrogen phosphate  
CN Disodium hydrophosphate  
CN Disodium monohydrogen phosphate  
CN Disodium orthophosphate  
CN Disodium phosphate  
CN Disodium phosphate (Na<sub>2</sub>HPO<sub>4</sub>)  
CN DSP  
CN Exsiccated sodium phosphate  
CN Hydrogen disodium phosphate  
CN Hydrogen sodium phosphate (HNa<sub>2</sub>PO<sub>4</sub>)  
CN Monohydrogen disodium phosphate  
CN Soda Phosphate  
CN Sodium monohydrogen phosphate  
CN Sodium orthophosphate dibasic  
CN Sodium phosphate (Na<sub>2</sub>HPO<sub>4</sub>)  
CN Sodium phosphate, dibasic  
DR 148560-76-3  
MF H<sub>3</sub> O<sub>4</sub> P . 2 Na

=> s monobasic sodium phosphate/cn  
L26 1 MONOBASIC SODIUM PHOSPHATE/CN

=> d 126

L26 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 7558-80-7 REGISTRY  
CN Phosphoric acid, monosodium salt (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Dihydrogen monosodium phosphate  
CN Dihydrogen sodium phosphate  
CN **Monobasic sodium phosphate**  
CN Monobasic sodium phosphate (NaH<sub>2</sub>PO<sub>4</sub>)  
CN Monosodium dihydrogen orthophosphate  
CN Monosodium hydrogen phosphate  
CN Monosodium phosphate  
CN Sodium dihydrogen monophosphate  
CN Sodium dihydrogen orthophosphate  
CN Sodium dihydrogen phosphate  
CN Sodium dihydrogen phosphate (NaH<sub>2</sub>PO<sub>4</sub>)  
CN Sodium hydrogen phosphate (NaH<sub>2</sub>PO<sub>4</sub>)  
CN Sodium monobasic phosphate (NaH<sub>2</sub>PO<sub>4</sub>)  
CN Sodium orthophosphate monobasic  
CN Sodium phosphate (Na(H<sub>2</sub>PO<sub>4</sub>))  
CN Sodium phosphate, monobasic  
CN Sodium primary phosphate  
DR 1333-80-8, 89140-32-9  
MF H<sub>3</sub> O<sub>4</sub> P . Na

L28 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 7722-88-5 REGISTRY  
CN Diphosphoric acid, tetrasodium salt (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Pyrophosphoric acid, tetrasodium salt (8CI)  
OTHER NAMES:  
CN Accoline 126  
CN Anhydrous tetrasodium pyrophosphate  
CN E 450  
CN Phosphotex  
CN **Sodium diphosphate**  
CN Sodium diphosphate (Na<sub>4</sub>P<sub>2</sub>O<sub>7</sub>)  
CN Sodium phosphate (Na<sub>4</sub>P<sub>2</sub>O<sub>7</sub>)  
CN Sodium pyrophosphate  
CN Sodium pyrophosphate (Na<sub>4</sub>P<sub>2</sub>O<sub>7</sub>)  
CN Tetrasodium diphosphate  
CN Tetrasodium diphosphate (Na<sub>4</sub>P<sub>2</sub>O<sub>7</sub>)  
CN Tetrasodium pyrophosphate  
CN Tetrasodium pyrophosphate (Na<sub>4</sub>P<sub>2</sub>O<sub>7</sub>)  
CN Tetron  
CN Tetron (dispersant)  
CN TSPP  
CN Victor TSPP  
DR 156460-73-0, 93269-17-1  
MF H4 O7 P2 . 4 Na

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 57-27-2 REGISTRY  
CN Morphinan-3,6-diol, 7,8-didehydro-4,5-epoxy-17-methyl-  
(5 $\alpha$ ,6 $\alpha$ )- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Morphinan-3,6 $\alpha$ -diol, 7,8-didehydro-4,5 $\alpha$ -epoxy-17-methyl- (8CI)  
OTHER NAMES:  
CN (-)-Morphine  
CN Dulcontin  
CN Duromorph  
CN 1-Morphine  
CN Meconium  
CN Morphia  
CN Morphin  
CN Morphina  
CN **Morphine**  
CN Morphinism  
CN Morphinum  
CN Morphium  
CN MS Contin  
CN Nepenthe  
CN Ospalivina  
FS STEREOSEARCH  
DR 8053-16-5, 85201-37-2, 47106-99-0  
MF C17 H19 N O3

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 57-42-1 REGISTRY  
CN 4-Piperidinecarboxylic acid, 1-methyl-4-phenyl-, ethyl ester (9CI) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Isonipecotic acid, 1-methyl-4-phenyl-, ethyl ester (8CI)  
OTHER NAMES:  
CN 1-Methyl-4-phenyl-4-piperidinecarboxylic acid ethyl ester  
CN 4-Carbethoxy-1-methyl-4-phenylpiperidine  
CN Demerol  
CN Ethyl 1-methyl-4-phenylisonipecotate  
CN Ethyl 1-methyl-4-phenylpiperidine-4-carboxylate  
CN Isonipecaine  
CN Meperidine  
CN Meperidol  
CN Pethanol  
CN Pethidin  
CN Pethidine  
CN Pethidineter  
FS 3D CONCORD  
MF C15 H21 N O2

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 437-38-7 REGISTRY  
CN Propanamide, N-phenyl-N-[1-(2-phenylethyl)-4-piperidinyl]- (9CI) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Propionanilide, N-(1-phenethyl-4-piperidyl)- (7CI, 8CI)  
OTHER NAMES:  
CN 1-Phenethyl-4-(N-phenylpropionamido)piperidine  
CN 1-Phenethyl-4-N-propionylanilinopiperidine  
CN Durogesic  
CN Fentanest  
CN Fentanil  
CN **Fentanyl**  
CN N-[1-(2-Phenylethyl)-4-piperidinyl]propionanilide  
CN Phentanyl  
CN R 4263  
FS 3D CONCORD  
DR 80832-90-2  
MF C22 H28 N2 O  
CI COM

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 76-41-5 REGISTRY  
CN Morphinan-6-one, 4,5-epoxy-3,14-dihydroxy-17-methyl-, (5 $\alpha$ )- (9CI)  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Morphinan-6-one, 4,5 $\alpha$ -epoxy-3,14-dihydroxy-17-methyl- (8CI)  
CN Morphinone, 7,8-dihydro-14-hydroxy- (6CI, 7CI)  
OTHER NAMES:  
CN (-)-Oxymorphone  
CN 14-Hydroxydihydromorphinone  
CN 30: PN: WO03037310 FIGURE: 4 claimed sequence  
CN 4,5-Epoxy-3,14-dihydroxy-N-methyl-6-oxomorphinan  
CN 7,8-Dihydro-14-hydroxymorphinone  
CN Dihydro-14-hydroxymorphinone  
CN Dihydroxymorphinone  
CN NIH 10323  
CN NSC 19045  
CN Oxymorphone  
FS STEREOSEARCH  
MF C17 H19 N 04

=> s oxycodone/cn  
L6 1 OXYCODONE/CN

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 76-42-6 REGISTRY  
CN Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5 $\alpha$ ) -  
(9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Codeinone, 7,8-dihydro-14-hydroxy- (6CI, 7CI)  
CN Morphinan-6-one, 4,5 $\alpha$ -epoxy-14-hydroxy-3-methoxy-17-methyl- (8CI)  
OTHER NAMES:  
CN (-)-Oxycodone  
CN 14-Hydroxydihydrocodeinone  
CN 3-O-(Methyl)oxymorphone  
CN 6-Oxo-14-hydroxy-7,8-dihydrocodeine  
CN 7,8-Dihydro-14-hydroxycodeinone  
CN Dihydro-14-hydroxycodeinone  
CN Dihydrohydroxycodeinone  
CN Dihydronine  
CN NSC 19043  
CN Oxanest  
CN Oxicon  
CN Oxycodine  
CN **Oxycodone**  
CN Oxymorphone 3-methyl ether  
FS STEREOSEARCH  
MF C18 H21 N O4

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 125-29-1 REGISTRY  
CN Morphinan-6-one, 4,5-epoxy-3-methoxy-17-methyl-, (5 $\alpha$ )- (9CI) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Codeinone, dihydro- (6CI)  
CN Dicodid (7CI)  
CN Morphinan-6-one, 4,5 $\alpha$ -epoxy-3-methoxy-17-methyl- (8CI)  
OTHER NAMES:  
CN (-)-Dihydrocodeinone  
CN 6-Oxo-7,8-dihydrocodeine  
CN Bekadid  
CN Dihydrocodeinone  
CN Hydrocodon  
CN Hydrocodone  
CN Multacodin  
CN NSC 19044  
FS STEREOSEARCH  
DR 9007-52-7, 1037-91-8, 50678-79-0  
MF C18 H21 N O3

L4 ANSWER 1 OF 49 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 491847-32-6 REGISTRY  
CN  $\beta$ -D-Glucopyranosiduronic acid, (5 $\alpha$ )-4,5-epoxy-6-oxomorphinan-3-yl (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **Norhydromorphone  $\beta$ -D-glucuronide**  
FS STEREOSEARCH  
MF C22 H25 N O9

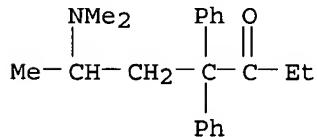
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=> s methadone/cn
L9          1 METHADONE/CN

=> d 19

L9  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2004 ACS on STN
RN  76-99-3  REGISTRY
CN  3-Heptanone, 6-(dimethylamino)-4,4-diphenyl- (7CI, 8CI, 9CI)  (CA INDEX
    NAME)
OTHER NAMES:
CN  (±)-Methadone
CN  6-Dimethylamino-4,4-diphenyl-3-heptanone
CN  Algovetin
CN  Amidone
CN  Diaminon
CN  dl-Methadone
CN  Dolophin
CN  Eptadone
CN  Heptadone
CN  Heptanon
CN  Heptanon (pharmaceutical)
CN  Metasedin
CN  Methadone
CN  Phenadone
CN  Physeptone
CN  Racemic methadone
CN  Sedo-Rapide
FS  3D CONCORD
DR  297-88-1
MF  C21 H27 N O
CI  COM
LC  STN Files:  ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
    BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS,
    CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES,
    DRUGU, EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA,
    MEDLINE, MRCK*, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXCENTER, USAN,
    USPAT2, USPATFULL, VETU
    (*File contains numerically searchable property data)
Other Sources:  EINECS**, WHO
    (**Enter CHEMLIST File for up-to-date regulatory information)

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=> s propoxyphene/cn  
L10 1 PROPOXYPHENE/CN

=> d 110

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 469-62-5 REGISTRY  
CN Benzeneethanol,  $\alpha$ -[(1R)-2-(dimethylamino)-1-methylethyl]- $\alpha$ -phenyl-, propanoate (ester), ( $\alpha$ S)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2-Butanol, 4-(dimethylamino)-3-methyl-1,2-diphenyl-, propionate (ester), (2S,3R)- (8CI)  
CN Benzeneethanol,  $\alpha$ -[2-(dimethylamino)-1-methylethyl]- $\alpha$ -phenyl-, propanoate (ester), [S-(R\*,S\*)]-  
OTHER NAMES:  
CN (+)-4-(Dimethylamino)-3-methyl-1,2-diphenyl-2-butanol propionate  
CN (+)-Propoxyphene  
CN  $\alpha$ - (+)-4-(Dimethylamino)-1,2-diphenyl-3-methyl-2-butanol propionate  
CN  $\alpha$ -d-4-(Dimethylamino)-3-methyl-1,2-diphenyl-2-(propionyloxy)butane  
CN Algafan  
CN d-Propoxyphene  
CN Depromic  
CN Dextropropoxyphene  
CN Propoxyphene  
FS STEREOSEARCH  
DR 21086-94-2, 3818-94-8  
MF C22 H29 N O2

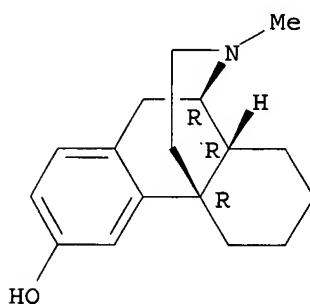
=> s pentazocine/cn  
L11 1 PENTAZOCINE/CN

=> d 111

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 359-83-1 REGISTRY  
CN 2,6-Methano-3-benzazocin-8-ol, 1,2,3,4,5,6-hexahydro-6,11-dimethyl-3-(3-methyl-2-butenyl)-, (2R,6R,11R)-rel- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2,6-Methano-3-benzazocin-8-ol, 1,2,3,4,5,6-hexahydro-6,11-dimethyl-3-(3-methyl-2-butenyl)-, (2 $\alpha$ ,6 $\alpha$ ,11R\*)- (8CI)  
OTHER NAMES:  
CN (±)-Pentazocine  
CN 1,2,3,4,5,6-Hexahydro-3-(3-methyl-2-butenyl)-6,11-dimethyl-8-hydroxy-2,6-methano-3-benzazocine  
CN 1,2,3,4,5,6-Hexahydro-6,11-dimethyl-3-(3-methyl-2-butenyl)-2,6-methano-3-benzazocin-8-ol  
CN 2'-Hydroxy-5,9-dimethyl-2-(3,3-dimethylallyl)-6,7-benzomorphan  
CN 2-Dimethylallyl-5,9-dimethyl-2'-hydroxybenzomorphan  
CN 3-(3-Methyl-2-butenyl)-1,2,3,4,5,6-hexahydro-6,11-dimethyl-2,6-methano-3-benzazocin-8-ol  
CN 3-(3-Methyl-2-butenyl)-1,2,3,4,5,6-hexahydro-8-hydroxy-6,11-dimethyl-2,6-methano-3-benzazocine  
CN cis-(±)-Pentazocine  
CN dl-Pentazocine  
CN Fortalgesic  
CN Fortalin  
CN Fortral  
CN II-C 2  
CN Lexir  
CN NIH 7958  
CN NSC 107430  
CN Peltazon  
CN Pentagin  
CN Pentazocin  
CN **Pentazocine**  
CN Sosegon  
CN Soiseton  
CN Sosigon  
CN Talwin  
CN Win 20228  
FS STEREOSEARCH  
DR 6654-32-6, 6654-33-7, 7313-81-7, 10535-38-3, 16760-69-3, 16760-70-6,  
21820-34-8, 3411-11-8  
MF C19 H27 N O

L12 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 77-07-6 REGISTRY  
 CN Morphinan-3-ol, 17-methyl- (8CI, 9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2H-10,4a-Iminoethanophenanthren-6-ol, 1,3,4,9,10,10a-hexahydro-11-methyl-  
 (7CI)  
 OTHER NAMES:  
 CN (-)-3-Hydroxy-N-methylmorphinan  
 CN (-)-N-Methylmorphinan-3-ol  
 CN Aromarone  
 CN 1-Levorphanol  
 CN Levorphan  
 CN **Levorphanol**  
 CN N-Methyl-3-hydroxymorphinan  
 CN Ro 1-5431  
 FS STEREOSEARCH  
 DR 125-74-6  
 MF C17 H23 N O  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMINFORMRX,  
 CHEMLIST, CIN, DDFU, DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA,  
 MEDLINE, MRCK\*, PROMT, RTECS\*, SPECINFO, TOXCENTER, USAN, USPAT2,  
 USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



> s codeine/cn

L13 1 CODEINE/CN

=> d 113

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 76-57-3 REGISTRY

CN Morphinan-6-ol, 7,8-didehydro-4,5-epoxy-3-methoxy-17-methyl-,  
(5 $\alpha$ ,6 $\alpha$ )- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Morphinan-6 $\alpha$ -ol, 7,8-didehydro-4,5 $\alpha$ -epoxy-3-methoxy-17-methyl-  
(8CI)

OTHER NAMES:

CN (-)-Codeine

CN Codeine

CN Codicept

CN Coducept

CN 1-Codeine

CN Methylmorphine

CN Morphine 3-methyl ether

CN Morphine monomethyl ether

CN O3-Methylmorphine

FS STEREOSEARCH

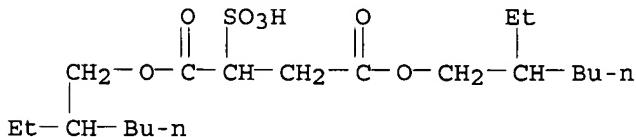
DR 120210-43-7, 79990-78-6

MF C18 H21 N O3

=> s docusate  
L14 3 DOCUSATE

=> d 114 1-3

L14 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 7491-09-0 REGISTRY  
CN Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, potassium salt  
(9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Succinic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, potassium salt (8CI)  
OTHER NAMES:  
CN Bis(2-ethylhexyl) potassium sulfosuccinate  
CN Bis-2-ethylhexyl-2-sulfolbutane-1,4-dioate potassium salt  
CN Dioctyl potassium sulfosuccinate  
CN **Docusate potassium**  
CN Potassium bis(2-ethylhexyl) sulfosuccinate  
CN Potassium dioctyl sulfosuccinate  
CN Rectalad Enema  
DR 170717-32-5  
MF C20 H38 O7 S . K  
LC STN Files: BEILSTEIN\*, BIOTECHNO, CA, CAPLUS, CHEMLIST, CIN, CSCHEM,  
DIOGENES, EMBASE, IFICDB, IFIPAT, IFIUDB, MRCK\*, TOXCENTER, USAN,  
USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)  
CRN (10041-19-7)



● K

48 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
50 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 577-11-7 REGISTRY  
CN Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (9CI)  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Aerosol OT-B (6CI)  
OTHER NAMES:  
CN 1,4-Bis(2-ethylhexyl) sodium sulfosuccinate  
CN Adekacol EC 8600  
CN Aerosol A 501  
CN Aerosol AOT  
CN Aerosol GPG  
CN Aerosol OT  
CN Aerosol OT 100  
CN Aerosol OT 70PG  
CN Aerosol OT 75  
CN Aerosol OT 75PG

CN Aerosol OT 94  
CN Aerosol OT-A  
CN Aerosol OT-S  
CN Airrol CT 1  
CN Airrol CT 1L  
CN Airrol OP  
CN Alcopol O  
CN Alkasurf SS-O 75  
CN Alphasol OT  
CN AOT  
CN AOT 100  
CN AOT I  
CN Astrowet 608  
CN Astrowet O 70PG  
CN Astrowet O 75  
CN B 80  
CN Berol 478  
CN Bis(2-ethylhexyl) S-sodium sulfosuccinate  
CN Bis(2-ethylhexyl) sodiosulfosuccinate  
CN Bis(2-ethylhexyl) sodium sulfosuccinate  
CN Bis(2-ethylhexyl) sulfosuccinate sodium salt  
CN Carabon DA 72  
CN Celanol DOS 65  
CN Celanol DOS 75  
CN Colace  
CN Comfolax  
CN Complemix  
CN Constoneate  
CN Coprol  
CN Coprola  
CN Correctol Stool Softener Laxative  
CN Defilin  
CN DESS  
CN Di(2-ethylhexyl) sulfosuccinate sodium salt  
CN Di-2-ethylhexyl sodium sulfosuccinate  
CN Dialose  
CN Dioctlyn  
CN Dioctyl  
CN Dioctyl sodium sulfosuccinate  
CN Docusate sodium  
CN Sodium docusate

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

DR 59030-04-5, 60202-21-3, 130390-93-1, 66812-62-2, 105956-73-8, 106396-28-5,  
113255-61-1, 51910-13-5, 135843-72-0, 67924-68-9, 138893-51-3, 76689-26-4,  
75418-10-9, 78207-03-1, 52624-44-9, 53023-94-2, 110162-65-7, 201816-76-4,  
202352-75-8, 209453-97-4

MF C20 H38 O7 S . Na

CI COM

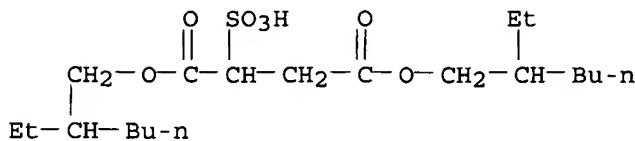
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(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

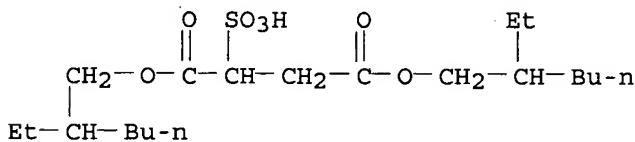
CRN (10041-19-7)



● Na

7154 REFERENCES IN FILE CA (1907 TO DATE)  
 38 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 7162 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 16 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L14 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 128-49-4 REGISTRY  
 CN Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, calcium salt (9CI)  
 (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Succinic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, calcium salt (8CI)  
 OTHER NAMES:  
 CN Bis(2-ethylhexyl) calcium sulfosuccinate  
 CN Bis(2-ethylhexyl) sulfosuccinic acid calcium salt  
 CN Calcium bis(2-ethylhexyl) sulfosuccinate  
 CN Calcium di-2-ethylhexyl sulfosuccinate  
 CN Calcium dioctyl sulfosuccinate  
 CN Dioctyl calcium sulfosuccinate  
 CN **Docusate calcium**  
 CN Doxical  
 CN Sulfosuccinic acid, bis(2-ethylhexyl) ester, calcium salt  
 CN Surfak  
 MF C20 H38 O7 S . 1/2 Ca  
 LC STN Files: ADISNEWS, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS,  
 CHEMLIST, CIN, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB,  
 IPA, MRCK\*, PROMT, TOXCENTER, USAN, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 CRN (10041-19-7)



● 1/2 Ca

99 REFERENCES IN FILE CA (1907 TO DATE)  
 100 REFERENCES IN FILE CAPLUS (1907 TO DATE)